

SUPERIOR OIL

July 28, 1980

Mr. Mike Minder
Geological Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Black Steer Canyon Unit #14-33
2382' FEL, 2297' FSL
Section 14, T39S, R25E, SLM
San Juan County, Utah

Dear Mr. Minder:

Enclosed is Superior Oil's Application for Permit to Drill for the above referenced well. This well is staked on an unorthodox location in accordance with Rule C-3 (c) General Rules and Regulations of Practice and Procedure. This is necessary due to geological conditions. Our Denver exploration office will request an exception to this rule in the very near future.

Your cooperation in this matter is appreciated.

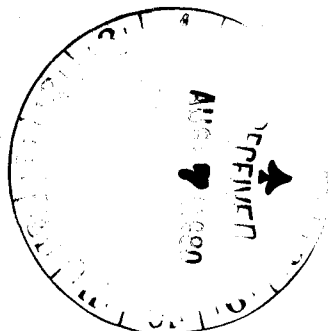
Very truly yours,

SUPERIOR OIL

Charles L. Hill

C. L. Hill
Area Production Superintendent

DBB/1h



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

SUPERIOR OIL

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2382' FEL, 2297' FSL of Sec. 14

At proposed prod. zone

Same as surface

NW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

13.2 miles North of Aneth, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

258'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N.A.

16. NO. OF ACRES IN LEASE

1280

19. PROPOSED DEPTH

6000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5032' Ungraded Ground Level

22. APPROX. DATE WORK WILL START*

August 3, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	100'	125 sx
12-1/4"	8-5/8"	24#	1500'	1000 sx
7-7/8"	5-1/2"	14# & 15.5#	6000'	250 sx

1. Drill 17-1/2" hole to 100'. Set 13-3/8" casing to 100' and cement to surface w/125 sx.
2. Drill 12-1/4" hole to 1500'. Set 8-5/8" surface casing to 1500' and cement to surface w/1000 sx. NU BOP.
3. Drill 7-7/8" hole to top of Ismay formation with fresh water mud. Core Ismay and Desert Creek zones. DST Ismay and Desert Creek. Continue drilling 7-7/8" hole to TD of approximately 6000' or 25' into Chimney Rock Shale.
4. Log well. Set 5-1/2" casing to 6000' w/250 sx.
5. Perforate Ismay and/or Desert Creek based on DST, cores and log evaluation. Stimulate as necessary.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 8/18/80

BY: CE Jey/hot

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

D. B. Bradford

TITLE

PRODUCTION ENGINEER

DATE

JULY 28, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Dist: Orig + 3- USGS, 1 - BLM, 2 - J. Davis, E. R. Morin, J. E. Harrison, R. D. Johnson, W. N. Mosley, CF, DBB, Reg. Group, State - 2, File

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July 28, 1980

Mr. Mike Minder
Geological Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

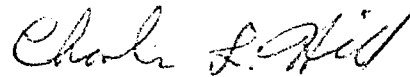
Re: Black Steer Canyon Unit #14-33
2382' FEL, 2297' FSL
Section 14, T39S, R25E, SLM
San Juan County, Utah

Dear Mr. Minder:

Superior Oil Company controls all oil and gas mineral rights within a 660' radius of the referenced well. Superior Oil is designated as operator of Section 14, T39S, R25E from Jack Grynberg and Associates.

Very truly yours,

SUPERIOR OIL



C. L. Hill
Area Production Superintendent

DBB/lh

SUPERIOR OIL

July 28, 1980

Mr. Carl Barrick
United States Geological Survey
Federal Building
701 Camino Deo Rio
Durango, Colorado 81301

Re: Surface Use Development Plan
Proposed Well
Black Steer Canyon Unit #14-33
2382' FEL, 2297' FSL
Section 14, T39S, R25E SLM
San Juan County, Utah

Dear Mr. Barrick:

The "Surface Use Development Plan" for the proposed Superior Black Steer Canyon Unit #14-33 is as follows:

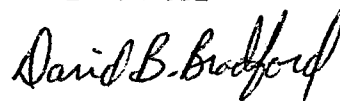
1. The existing roads and the location of the off road exits are shown on the attached road and pipeline plat.
2. The 1200' of new access road that will be necessary is shown on the attached plat. No major cuts or fills will be required.
3. The location and status of wells in the vicinity are shown on the attached road and pipeline plat.
4. The location of any production facilities, flow lines and lateral roads in the vicinity of the proposed well are shown on the attached plat. The 2" flow line, from the proposed well will run 400' south to a new tank battery, the area of the tank battery being approximately 100' X 300' where the oil, gas and water will be separated. If the new production facilities are required, a detailed building plan will be submitted for approval.
5. Water for drilling operations will be purchased from a private artesian well in the area.
6. Materials necessary for the construction and drilling pad will be obtained from the location. No access roads for the purpose of hauling materials will be necessary.

SUPERIOR OIL

7. Waste materials will be collected in earth pits 6-8' deep with steep sides. The perimeter of these pits will be completely enclosed with small mesh wire. When drilling operations are complete these earth pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.
8. The location and position of drilling equipment is shown on the attached plat. The mud pits will be fenced on three sides during drilling and on four sides after completion of drilling operations. Included on this plat is a cross section diagram showing cuts and fills necessary for the construction of the drilling pad. The drilling pad will be located approximately 1' below ground level. Materials at the location will be used for elevation of the pad.
9. Surface land is owned by the Charles Redd Foundation and is used primarily for grazing. Vegetation consists of sparse desert type ground cover, sagebrush, Pinons and scattered Junipers. There are no Indian habitations or artifacts in the immediate vicinity of the proposed drillsite, access road, flow line, construction and material site or road used in transportation of material.

Very truly yours,


SUPERIOR OIL



David B. Bradford
Production Engineer

I hereby certify that I, or persons under my direct supervision, have inspected the proposed area; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by SUPERIOR OIL and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

7/28/80
Date


C. L. Hill
Area Production Superintendent

DBB/lh

SUPPLEMENT TO FORM 9-331C

WELL: Black Steer Canyon Unit #14-33

ELEVATION: 5032' Ungraded Ground Level

SURFACE FORMATION WHERE DRILLING IS TO TAKE PLACE: Dakota

ESTIMATED FORMATION TOPS: (Measured from ground level at 5032')

Chinle	1510'
Moenkopi	2620'
DeChelly	2660'
Ismay	5510'
Lower Ismay	5640'
Desert Creek	5710'
Chimney Rock Shale	5860'
T.D.	6000'

WATER BEARING FORMATION: Water is expected to be encountered intermittently from 300' to 1400'.

HYDROCARBON BEARING FORMATION: Oil and gas are expected to be encountered intermittently from 5510' to 6000'.

MUD PROGRAM: Surface to 100' - fresh water with gel.
100' - 1500' - fresh water.
1500' - 6000' - Lignosulfonate or similar mud system. Water loss controlled to 15 cc or less and weighted with Barite as necessary.

CASING PROGRAM: Conductor: 13-3/8" 54.5#/ft K-55 ST&C new casing set to 100'.
Surface: 8-5/8" 24#/ft K-55 ST&C new casing set to 1500'.
Production: 5-1/2" 14#/ft and 15.5#/ft K-55 ST&C new casing set to 6000'.

CEMENT PROGRAM: Conductor: Cement to surface with 125 sx Class 'B' + 4% gel + 2% CaCl.
Surface: Cement to surface with 750 sx Lite w/10#/sk Gilsonite followed by 250 sx Class 'B' w/2% KCL and 0.25#/sk Celloflake.
Production: 250 sx Class 'B' w/5#/sk salt and .75% dispersant.

(2)

LOGGING PROGRAM:

1st Set of Logs

DIL, CNL-FDC, Sonic - 6000' to surface.

Velocity Survey - 6000' - 3100'.

DRILL STEM TESTS:

1st Test

Thru Ismay and Desert Creek interval.

CORING:

Approximately 120' of Ismay and Desert Creek interval.

PRESSURE CONTROLS:

Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blind rams will be tested on each trip and the pipe rams will be tested daily. The schematic of the pressure control equipment can be seen on the attached diagram. The mud system will be monitored by visual inspection.

ANTICIPATED STARTING DATE: August 4, 1980 for 26 days.

SUPERIOR OIL

SURFACE REHABILITATION PLAN BLACK STEER CANYON UNIT #14-33

I, Wm. H. Edwards, as representative for Superior Oil do hereby commit to restore the two acres (more or less) disturbed by building a well location and access road for the Black Steer Canyon Unit #14-33 located in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 14, T39S, R25E, San Juan County, Utah being 2150' FEL and 2200' FSL. The restoration of the surface for each case of a producing well or dry hole will be conducted as outlined below:

I. DRY HOLE

In building the location, four to six inches of topsoil will be stockpiled. If the subject well is found to be a dry hole, the mud pits will be emptied and allowed to dry prior to backfilling. The location will be ripped and contoured to the original landscape and covered with the stockpiled topsoil. After covering with topsoil, the location will be seeded with a seed mixture satisfying BLM and/or surface owner requirements. The access road will be ripped and restored to the original contour and seeded with the same seed mixture used on the location. The actual wellbore will be abandoned to meet the State of Utah and USGS regulations and stipulations.

II. PRODUCING WELL

In building the location, four to six inches of topsoil will be stockpiled. If the subject well is found to be productive of oil and/or gas, the mud pits will be emptied and allowed to dry prior to backfilling. The mud pits and the portion of the location not required for producing operations will be contoured to the original landscape and covered with the stockpiled topsoil. After covering with topsoil this portion will be seeded with a seed mixture satisfying BLM and/or surface owner requirements. Surface use and damages for production facilities will be negotiated as required.

SUPERIOR OIL

Wm. H. Edwards
Wm. H. Edwards

July 25-80
Date

I, ^{trustee}Hardy Redd, Executor of the Charles Redd Foundation, owner of the east half of Section 14, T39S, R25E, San Juan County, Utah, as on record do hereby accept and agree to the above surface rehabilitation plan.

Hardy Redd
Hardy Redd, Executor
Charles Redd Foundation

7-25-80
Date

DBB/JRO/th

SUPERIOR OIL

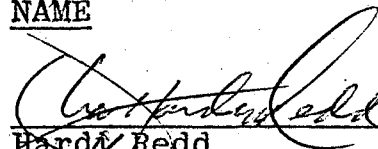
July 24, 1980

This Document certifies that I, ^{titular}Hardy Redd, Executor of the Charles Redd Foundation, owner of the East Half of Section 14, T39S, R25E, San Juan County, Utah, as on record, relieve and release The Superior Oil Company for compensation received, in the amount of One Thousand Dollars (\$1,000.00) for surface damages due to drilling and consisting of:


- A. Wildcat well location #14-33 in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 14, T39S, R25E, SLM, San Juan County, Utah. \$700.00 of payment covers the location and reserve pit consisting of approximately two acres.
- B. Access road of approximately 1300 feet by 20 feet wide to Well #14-33 to be constructed. \$300 of payment covers this access road.

I further certify that the well location described above is all within the boundaries of the Charles Redd Trustee Ownership. Therefore, I solely give my permission as Executor and allow The Superior Oil Company to drill wildcat well #14-33 at the above described location.

RECEIVED PAYMENT:

<u>NAME</u>	<u>DATE</u>	<u>AMOUNT</u>	<u>CHECK NO.</u>
 Hardy Redd	7-25-80 Date	7/24/80 \$1,000.00	#8519

WITNESSED BY:


Wm. H. Edwards Date


J. A. Calhoon Date

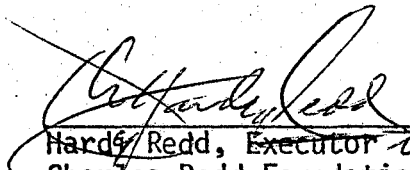
JRO/njh

xc: File

SUPERIOR OIL

July 24, 1980

This Document certifies that I, ^{Trustee}Hardy Redd, Executor of the Charles Redd Foundation, owner of the East Half of Section 14, T39S, R25E, San Juan County, Utah as on record, relieve and release Superior Oil to survey and stake the Black Steer Canyon Unit #14-33 at an approximate location of 2150' FEL and 2200' FSL of Section 14, T39S, R25E SLM, San Juan County, Utah, said location being in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 14. I hereby further waive the option to have the area in the vicinity of the location and access road inspected by an archeologist for identification of artifacts, Indian sites and all other sites of archeological significance.

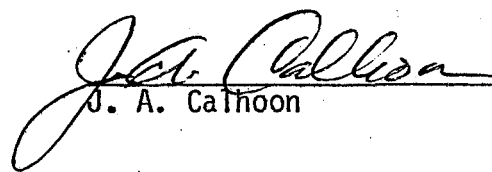

Hardy Redd, Executor ^{Trustee}
Charles Redd Foundation

7-25-80
Date

Witnessed:


Wm. H. Edwards

July 25, 80
Date


J. A. Calhoun

7-25-80
Date

JRO/DBB/Th

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Salt Lake City, Utah**
SERIAL No.: **U-12427**

and hereby designates

NAME: **The Superior Oil Company**
ADDRESS: **P. O. Box 4500**
The Woodlands, Texas 77380

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 39 South - Range 25 East
Section 11: All
Section 14: All
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

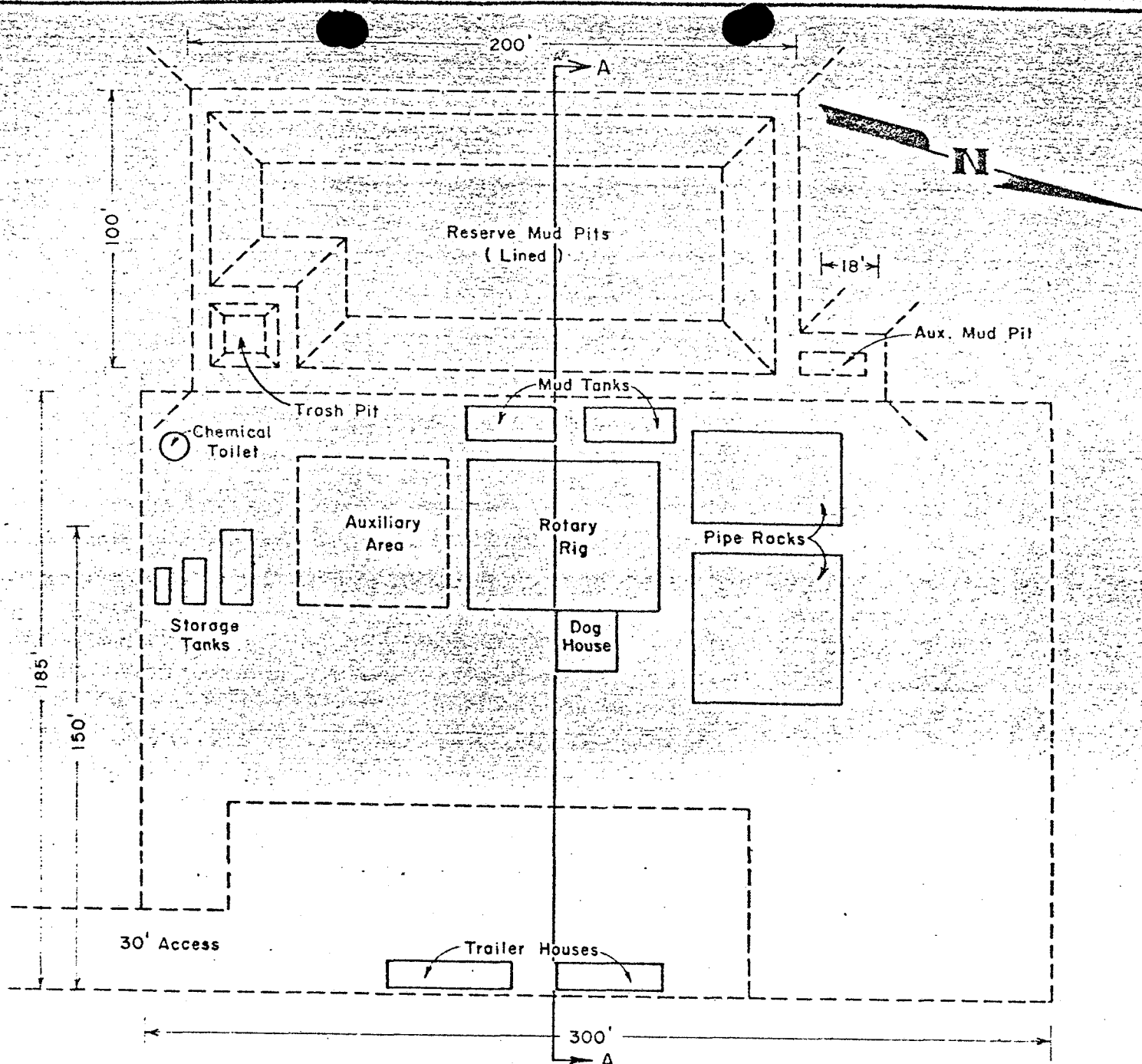
(Signature of lessee)

Jack J. Grynberg

1050 17th Street - Suite 1950
Denver, Colorado 80265

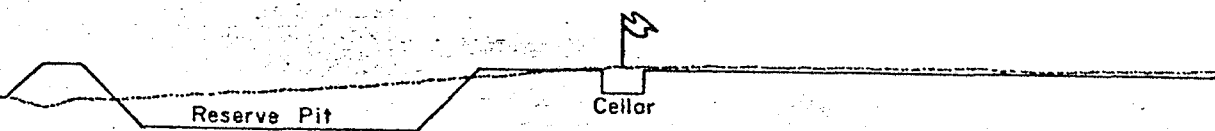
(Address)

(Date)

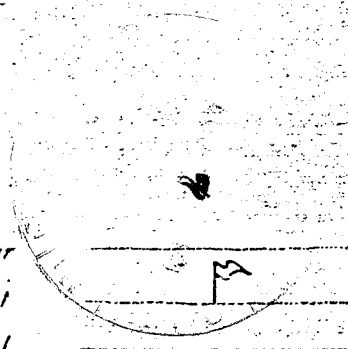


The Drilling Pad will be graded and compacted, and composed of native materials.

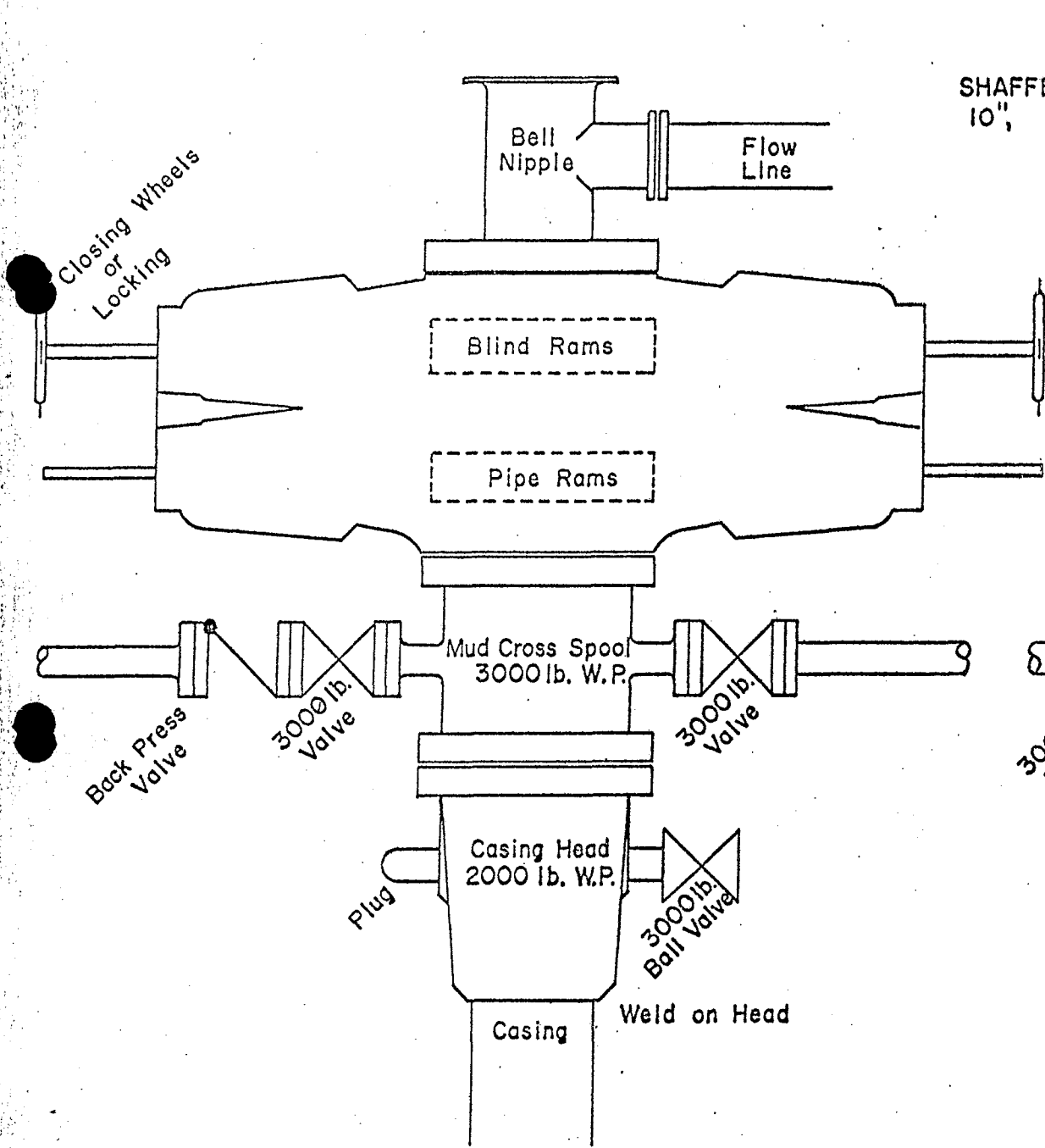
PROPOSED WELL SITE
Black Steer Canyon 14-33
Original Elev. 5031.97



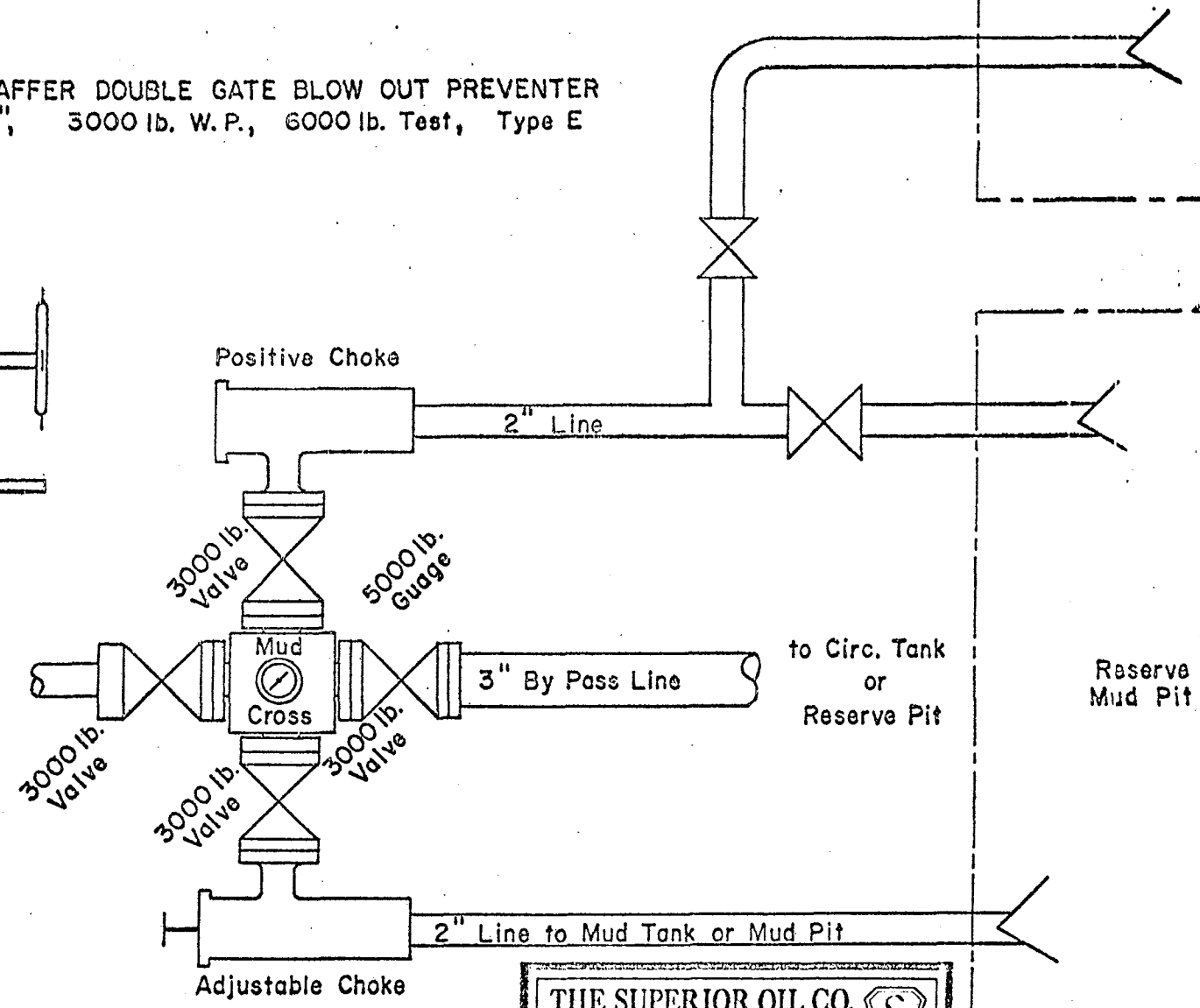
Original Contour
Reference Point
Graded Proposal



THE SUPERIOR OIL CO.
CORTAZ CASPER DISTRICT
ENGINEERING DEPARTMENT
RIG LAYOUT & DRILL
PAD CROSS SECTION
Black Steer Canyon 14-33
Sec. 14, T. 39 S.-R. 25 E.
San Juan Co., Utah
BY JEG DATE 7/28/80
SCALE 1" = 50' REVISED



SHAFFER DOUBLE GATE BLOW OUT PREVENTER
 10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.
 CORTEZ-CASPER DISTRICT
 ENGINEERING DEPARTMENT

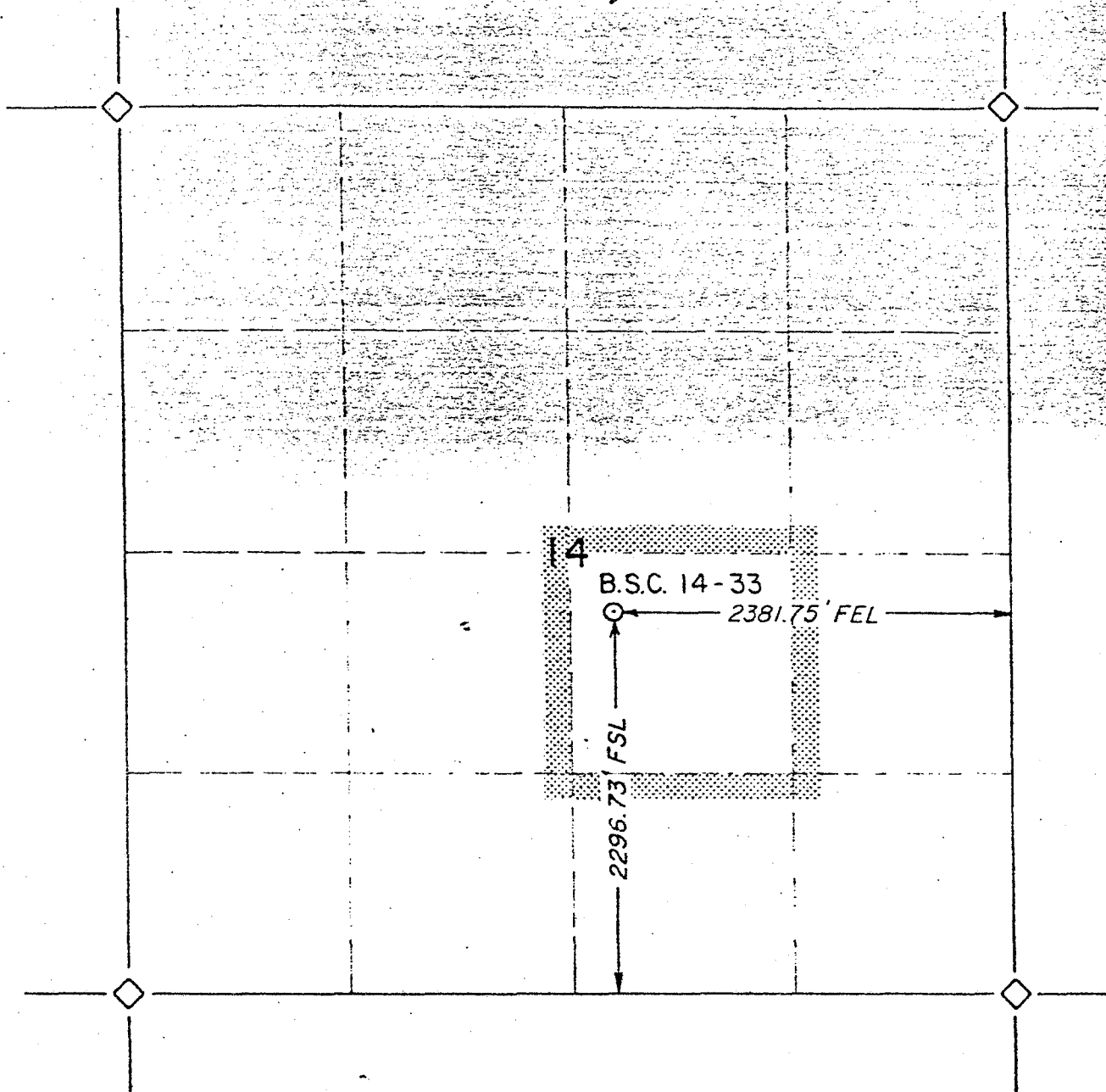
**SCHEMATIC DIAGRAM
 OF PRESSURE CONTROL
 EQUIPMENT**

BY JEG DATE 6/25/79
 SCALE NONE REVISED

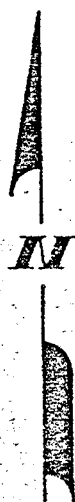
THE SUPERIOR OIL CO.

OPERATOR

Black Steer Canyon 14-33



NW/SE SECTION 14, T.39 S. - R.25 E.

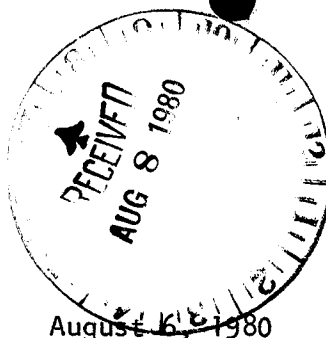


Scale: 1" = 1000'



- ⊙ Location
- Well
- ⊕ Injector

SUPERIOR OIL



Mr. Cleon Feight
Division of Oil and Gas
State of Utah
1588 West N. Temple
Salt Lake City, Utah 84116

Re: Black Steer Canyon 14-33
San Juan County, Utah

Dear Mr. Feight:

Our Cortez office has informed me that the above well does not meet the location guidelines imposed by the State of Utah. The well is off 550 feet from the center of a 1/41/4 section.

An exemption is being requested so that the well can be drilled on an existing seismic shotpoint. Our drilling experience in the area indicates that any deviation off known data greatly increases the exploration risk. The algal mounds that are the primary drilling target can disappear in as little as 600 feet, consequently close control is necessary.

If there are any other questions, please feel free to contact me. Thank you again for your cooperation.

Sincerely yours,

R.P. Crist

R.P. Crist
Exploration Supervisor

RPC/jb
enclosures

**** FILE NOTATIONS ****

DATE: Aug 15, 1980
OPERATOR: Superior oil
WELL NO: Black #14-33
Location: Sec. 14 T. 29S R. 25E County: San Juan

File Prepared: ☒
Card Indexed: ☒

Entered on N.I.D: ☒
Completion Sheet: ☒

API Number 43-027-30590

CHECKED BY:

Petroleum Engineer: _____

Director: OK - Geological exception under
Rule C-3

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☒

Rule C-3(c) Geological Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Deal

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

August 19, 1980

Superior Oil
P.O. Drawer 'G'
Cortez, Colorado 81321

RE: Well No. Black Steer Canyon #14-33,
Sec. 14, T. 39S, R. 25E.,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, Geological Exception - company owns or controls acreage within a 660' radius of proposed site.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
HOME: 876-3001
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is Black Steer Canyon:
43-037-30590.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER CO₂ Test

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2382' FEL, 2297' FSL of Section 14

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
23"	20"	94	40'	To surface
14-3/4"	10-3/4"	45.5 K-55	3100'	To surface Lite
9-7/8"	7-5/8"	26.4 N-80	7300'	600 sx Class B
		29.7 S-95		
6-1/2"	5" liner	15 N-80	7800'	125 sx Class B

1. Drill 23" hole to 40 feet. Set 20" casing to same and cement to surface.
2. Drill 14-3/4" hole to 3100 feet w/fresh water. Log w/DIL - Sonic - GR from 3100 feet to surface. Set 10-3/4" casing to 3100 feet and cement to surface w/1200 sx Lite. NU BOP.
3. Drill 9-7/8" hole to bottom of Desert Creek formation w/fresh water at approximately 6000 feet. Log w/DIL-Sonic, FDC/CNL/GR from 6000 feet to 3100 feet.
4. Change mud system to salt base mud. Drill to 7300 feet on base of salt section. Set 7-5/8" casing to 7300 feet and cement w/450 sx class "B".
5. Drill to 7800 feet or thru Leadville. Log w/DLL-MSFL, BHC, FDC/CNL/GR and velocity survey.
6. Test for CO₂ productivity. Set 5" liner to 7800 feet and perforate Leadville and treat to produce, based upon DST, cores and log evaluation.
7. If Leadville (CO₂ interval) proves unproductive, plug back and perforate Ismay and/or Desert Creek based on DST, cores and log evaluation. Stimulate as necessary.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Jim Oberlander
Jim Oberlander

TITLE

Engineer

DATE

9-10-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

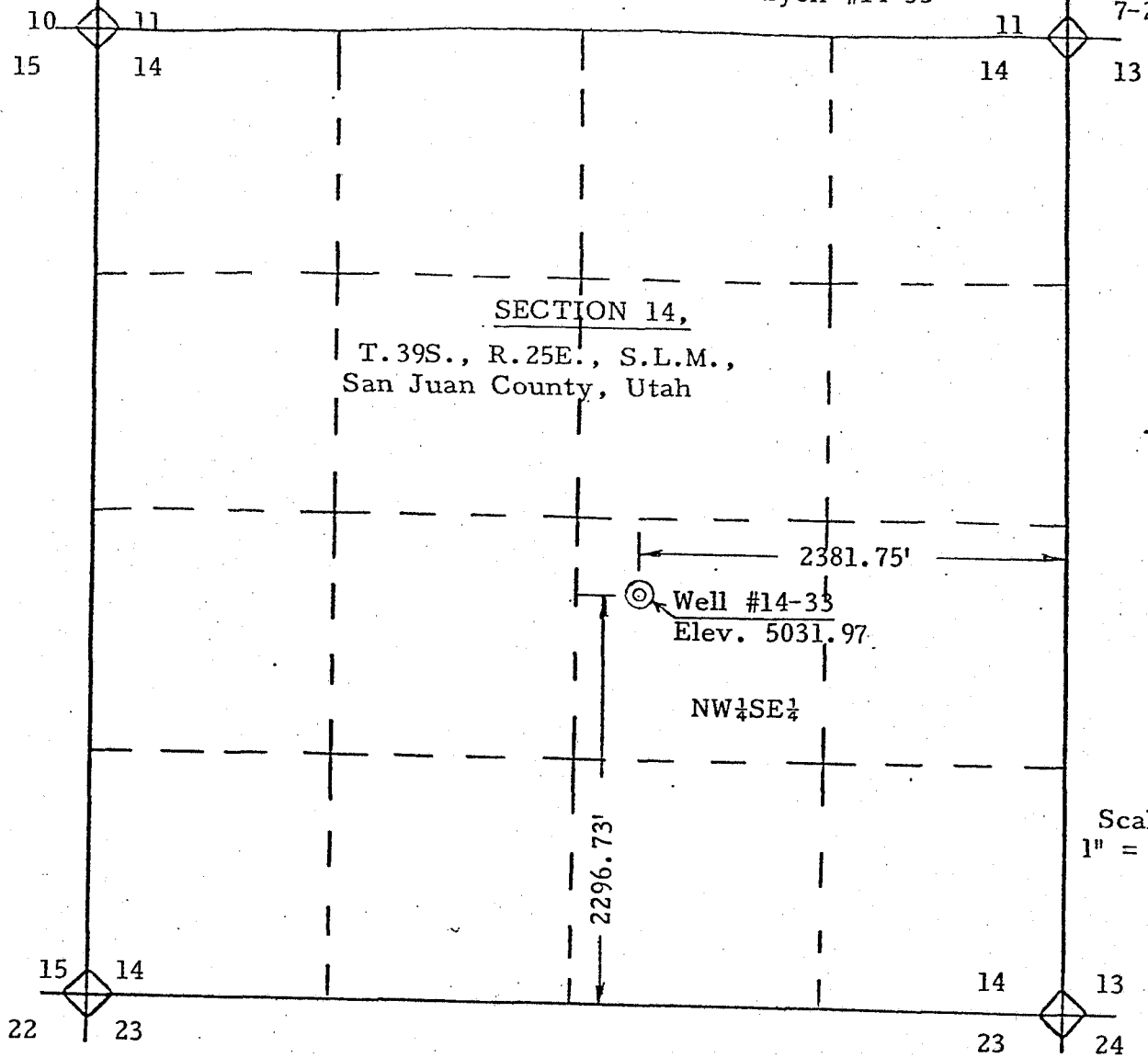
DATE

CONDITIONS OF APPROVAL, IF ANY:

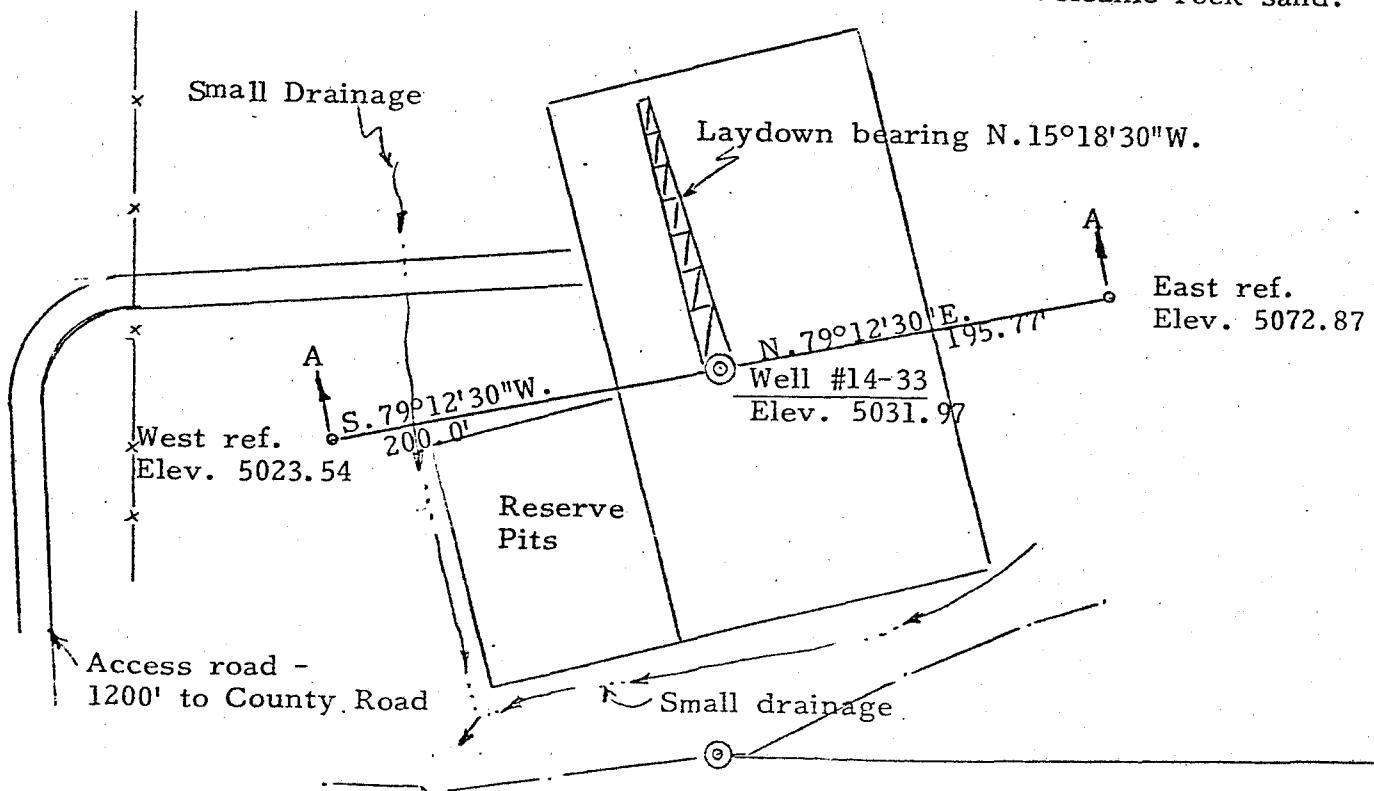
Well 14-33 located in the NW 1/4 of Sec. 14, T. 39S., R. 25E., S.L.M. San Juan Co., Utah

Superior Oil Company
Montezuma Creek Unit - Black Steer
Canyon #14-33

7-28-80



Vegetation: Scattered cheat grass and sage.
Soil: Volcanic rock-sand.



5070
5060
5050
5040
5030
5020
5010

Horizontal scale: 1" = 100'
Vertical scale: 1" = 50'

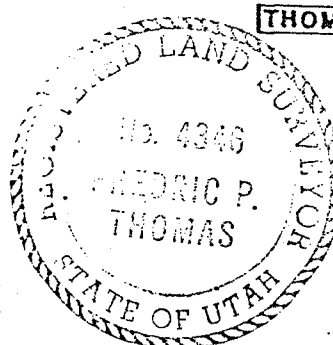
KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas

FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

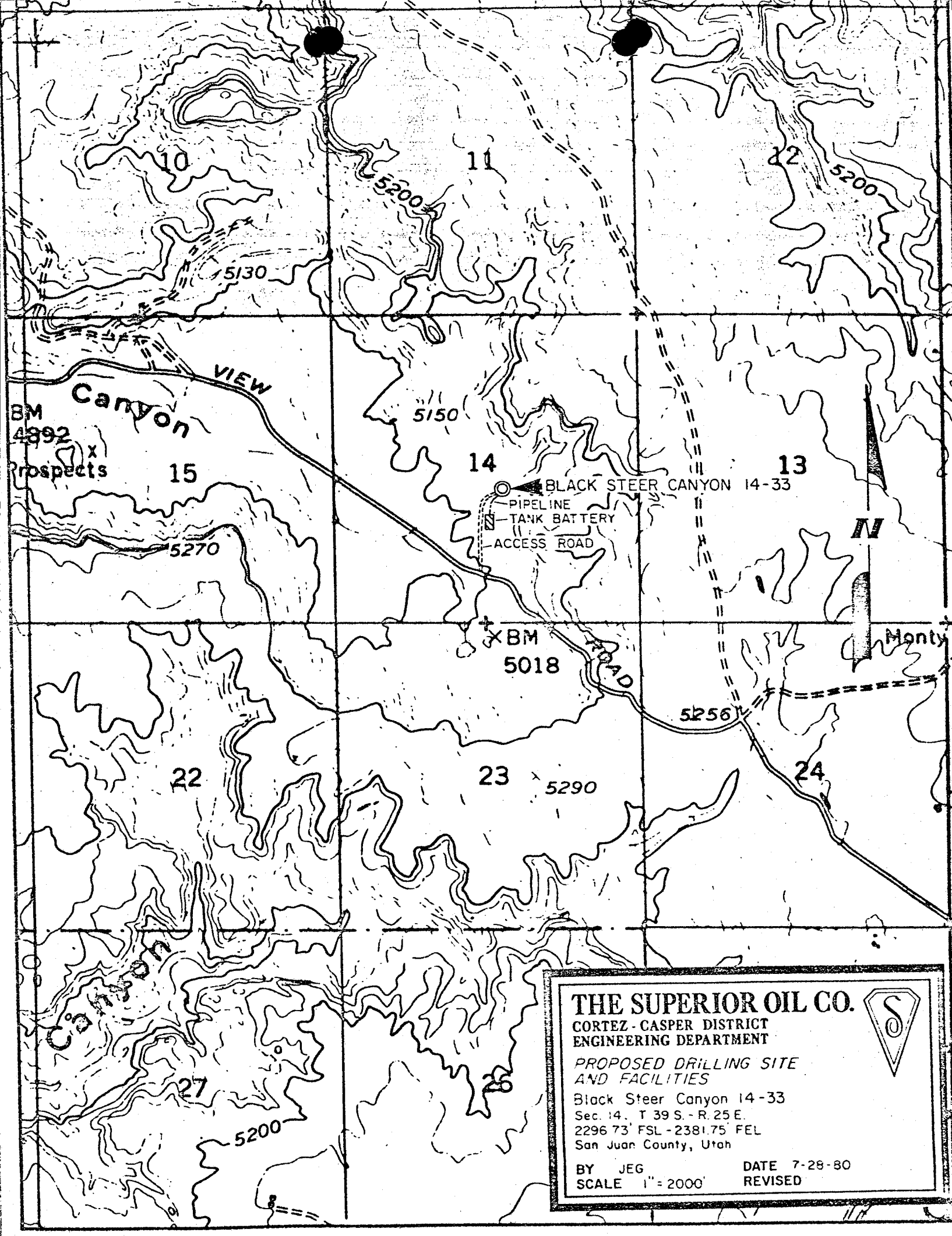
Utah Reg. No. 4346

Bearing by
Solar
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



THE SUPERIOR OIL CO.

CORTEZ - CASPER DISTRICT
ENGINEERING DEPARTMENT

PROPOSED DRILLING SITE
AND FACILITIES

Black Steer Canyon 14-33
Sec. 14, T 39 S. - R. 25 E.
2296 73' FSL - 2381.75' FEL
San Juan County, Utah

BY JEG
SCALE 1" = 2000'

DATE 7-28-80
REVISED



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SUPERIOR OIL

3. ADDRESS OF OPERATOR
P.O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2382' FEL, 2297' FSL, Sec. 14

AT TOP PROD. INTERVAL: Same as surface

AT TOTAL DEPTH: Same as surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Change plans ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME

BLACK STEER CANYON UNIT

8. FARM OR LEASE NAME

9. WELL NO.

#14-33

10. FIELD OR WILDCAT NAME

WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 14, T39S, R25E, SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE
UTAH

14. WELL NO. 43037-60590

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5032' Upgraded Ground Level

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The following changes, on the attached Application for Permit to Drill are requested for your approval. These changes were determined after the original APD was submitted and approved. Information not changed on this amended permit will remain the same.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 10-17-80

BY: M. S. Minder

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Jim Oberlander

TITLE

Engineer

DATE

Sept. 10, 1980

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

USGS-orig + 5, BLM-2, R. D. Johnson, T. W. Cooley, Herman High, E. R. Morin, J.F. Davis
Regulatory Group, Central File - Houston, Woodlands, Cortez, DBB

SUPPLEMENT TO FORM 9-331C

WELL: Black Steer Canyon Unit #14-33

ELEVATION: 5032' Ungraded Ground Level

SURFACE FORMATION WHERE DRILLING IS TO TAKE PLACE: Dakota

ESTIMATED FORMATION TOPS: (Measured from ground level at 5032')

Chinle	1710'
Moenkopi	2820'
DeChelly	2860'
Upper Ismay	5710'
Lower Ismay	5840'
Desert Creek	5910'
Chimney Rock Shale	6000'
Akah (Salt)	6030'
Lower Hermosa	7390'
Molas	7480'
Leadville	7580'
TD	7800'

WATER BEARING FORMATION: Water is expected to be encountered intermittently from 300' to 1600'.

HYDROCARBON BEARING FORMATION: Oil and gas are expected to be encountered intermittently from 5710' to 6000'.

CO₂ BEARING FORMATION: Carbon Dioxide is expected to be encountered from 7580' to TD of 7800'.

MUD PROGRAM:

- Surface to 2600' - fresh water
- 2600' to 6000' - Lignosulfonate or similar mud system. Water loss controlled to 15 cc/30m or less, viscosity 38-40 sec. API and weighted to 9.6-10.0 ppg w/Barite.
- 6000' to 7390' - Saturated saltwater or similar mud system. Water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. API and weighted to 12.9 ppg.
- 7390' to 7800' TD - Saturated saltwater or similar mud system. Water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. API and weighted to 10.2-10.5 ppg.

CASING PROGRAM:

Conductor - 20", 94#/ft, H-40 ST&C new casing set to 40'.
Surface - 10-3/4", 45.5#/ft, K-55 ST&C new casing set at 3100'.
Production - 7-5/8", 26.4#/ft and 29.7#/ft, N-80 and S-95 respectively, ST&C new casing set at 7300'.
Liner - 5", 15#/ft, N-80, ST&C, new set from 7300' to 7800'.

CEMENT PROGRAM:

Conductor - Cement to surface with 125 sx Class 'B' + 4% gel + .2% CaCl.
Surface - Cement to surface with 950 sx Lite w/10#/sk Gilsonite followed by 250 sx Class 'B' w/2% KCL and 0.25#/sk Celloflake.
Production - 600 sx Class 'B' w/5#/sk salt and .75% dispersant.
Liner - 125 sx Class 'B' w/5#/sk salt, .75% dispersant and .25#/sk Celloflake.

LOGGING PROGRAM:

1st Set

DIL-Sonic-GR from 3100' to surface.

2nd Set

DIL-Sonic, FDC/CNL-GR Velocity Survey from 6000' to 3100'

3rd Set

DLL-MSFL, BHC, FDC/CNL/GR, Velocity Survey from 7800' to 7300'.

DRILL STEM TESTS:

1st Set

Thru Ismay and Desert Creek Interval.

2nd Set

Thru Leadville.

CORING:

Approximately 120' of Ismay and Desert Creek interval.

PRESSURE CONTROL:

Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blind rams will be tested on each trip and the pipe rams will be tested daily. The schematic of the pressure control equipment can be seen on the attached diagram. The mud system will be monitored by visual inspection.

START DATE:

August 31, 1980 for 45 days.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well ☒ well ☐ other CO₂

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2382' FEL, 2297' FSL, SEC. 14
AT TOP PROD. INTERVAL: Same as surface
AT TOTAL DEPTH: Same as surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON UNIT

8. FARM OR LEASE NAME

9. WELL NO.
#14-33

10. FIELD OR WILDCAT NAME
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 14, T39S, R25E SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30590

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Correct: GL 5031' graded

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Spudded in at 2:00 P.M. 8-31-80. Drilled 30" hole to 36'.
2. Ran 20", 94# csg, cemented w/ready-mix concrete 7 yds from G. L. to 36'.
3. 10-2-80: Drilled 14-3/4" hole to 3098'. Ran 76 jts 10-3/4", 40.5# K-55 ST&C csg w/float shoe and collar to TD. Cemented w/1405 sx B.J. Lite Wt cement w/10# sx Gilsonite & 0.2% A-2 Lodense slurry wt 12.8# followed w/250 sx Class 'B' cement w/2% CaCl. Slurry wt 15.6# pump pressure 1000# at 8 BPM rate. Circ approx 139 sx good cement. Annulus stayed full. WOC 18 hrs. Test csg to 1500#. OK.
4. Cut off 10-3/4" csg, installed a National slip on 10" X 3000# W. P. Series 900 wellhead. Welded same w/top of flanges 2-1/2' below G. L. Tested weld to 600# Held OK. Nippling up BOP 10" X 3000# W. P. Series 900 Cameron QRC. DA.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Henry Haven TITLE Prod. Geologist DATE Oct. 30, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

HH/1h

Orig + 3 - USGS, 1 - BLM, State - 2, J. Davis, E. R. Morin, J. E. Harrison, R. D. Johnson, Reg Group - Woodlands, Central File, Houston, Woodlands, Cortez
H. High,

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☒ gas well ☐ other ☐ CO₂ test

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2382' FEL, 2297' FSL, SEC. 14
AT TOP PROD. INTERVAL: Same as surface
AT TOTAL DEPTH: Same as surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Subsequent report			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 10-21-80: Drilled to 5809'. Cut core 5809' - 5869'. Rec. 60'. Drilled to 5913'. POH. Ran GR-FDC-CNL, GR-Sonic, DIL SP from 5913-3099'.
- 11-3-80: Drilled to 7087'. Ran & cemented 7" csg at 7087' w/400 sx 'B' w/additives. Bumped plug. Installed csg head. Nippled up and tested BOP. Pick up bit and BHA. Went in hole to top of cement at 7037'. Drilled out float equipment. Logged w/Neutron from 6958-5689'. DA.
- 11-7-80: Drilled to 7718' TD. Ran GR-CNL-FDC, GR-Sonic, DIL-SP, from 7716-7086'.
- 11-10-80: Ran 4 1/2" liner at 7718' and cemented w/140 sx 'B'. Now POH w/liner setting tool.

RECEIVED

Subsurface Safety Valve: Manu. and Type _____ NOV 17 1980 Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Henry Haven TITLE Prod. Geologist DATE Nov. 11, 1980
DIVISION OF CAS & MINING
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

HH/1h

Orig + 3 - USGS, 1 - BLM, State - 2, J. F. Davis, E.R. Morin, J. E. Harrison, R. D. Johnson
Reg. Group - Woodlands, Central File, Houston, Woodlands, Cortez
H. High
*See Instructions on Reverse Side

FORM OGC-8-X
FINLE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

WELL NAME & NUMBER BLACK STEER CANYON #14-33
OPERATOR SUPERIOR OIL COMPANY
Address P. O. DRAWER 'G', CORTEZ, COLORADO 81321
CONTRACTOR FALCON DRILLING CORPORATION
Address 3814 N. First Abilene, Texas 79603
LOCATION NW 1/4 SE 1/4; Sec. 14; T. 39 N; R. 25 E
S W
COUNTY SAN JUAN COUNTY, UTAH

WATER SANDS:

	<u>DEPTH</u>	<u>VOLUME:</u>	<u>QUALITY:</u>
	From - to-	Flow Rate or Head -	Fresh or Salty -
1.	<u>No water encountered</u>	<u>before setting surface casing</u>	<u>at 3098'.</u>
2.	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>

(Continue on Reverse Side if Necessary)

FORMATION TOPS:

Chinle at 1483'

NOTE:

- Upon diminishing supply of forms, please inform this office.
- Report on this form as provided for in Rule C-20. General Rules and Regulations and Rules of Practice and Procedure.
- If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐ CO₂ Test

2. NAME OF OPERATOR
Superior Oil Company

3. ADDRESS OF OPERATOR
P. O. Drawer 'G', Cortez, Colorado 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2382' FEL, 2297' FSL, Sec. 14
AT TOP PROD. INTERVAL: Same as Surface
AT TOTAL DEPTH: Same as Surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Subsequent Report <input type="checkbox"/>	

5. LEASE
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Federal

7. UNIT AGREEMENT NAME
Black Steer Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
#14-33

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14-T39S-R25E SLM

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30590

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5031' Graded GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. 12/3/80: MI RU Schlumberger. Ran GR-CCL-CBL from 7667-6600'. Perf 7640-50' and 7530-40'. Set cement retainer at 7630'. Ran in hole with stinger and tubing to 7630'. Spot 12 bbl, 15% HCL Acid at 5 BPM/1400# PSI. Sqz. lower perfs with 50 sx cmt and sqz. upper perfs w/50 sx cmt. SWI for 1/2 hr w/1000# PSI.
2. 12/5/80: Drilled cmt from 7372' to 7630'. Test sqz. to 1000# PSI. Circ hole w/275 bbl 2% KCL wtr. POH to 7550' spot 2 bbl 10% acetic acid.
3. 12/8/80: RU GO wireline. Perf 7572-7612' w/3-1/8" gun, 1 JSPF. RIH w/new Baker Model 'C' Pkr w/OtisXN nipple and 1 jt tbg below pkr. Set pkr at 7513'. RU Dowell and NOWSCO N₂ Unit. Tst csg to 1000# PSI. Pump 7,000 gals 28% HCL and 500 SCF N₂/bbl. BD 1750# PSI. MP 2100#, ISIP = 1500#.

12/9/80 Jet well w/nitrogen. 12/16/80 Well started flowing. 12/17/80 to 12/23/80 Tstg 3900
Subsurface Safety Valve: Manu. and Type MCFD CO₂ and 2800 BWPD. FTP = 415 PSI @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Henry W. Haven TITLE Prod. Geologist DATE Dec. 29, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

HWH/nh

Orig. + 3 - USGS, 1 - BLM, State - 2, J. F. Davis, E. R. Morin, J. E. Harrison,
R. D. Johnson, Reg. Group- Woodlands, Central File - Houston, Woodlands, Cortez; H. High

*See Instructions on Reverse Side

SEGW

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐ CO-Well ☐
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ **RECEIVED**

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

JAN 19 1981

3. ADDRESS OF OPERATOR

P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State Regulations)
At surface 2382' FEL 2297' FSL, Section 14 OIL, GAS & MINING

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

43-037-30590

8-19-80

15. DATE SPUDDED

8-31-80

16. DATE T.D. REACHED

11-7-80

17. DATE COMPL. (Ready to prod.)

1-7-81

18. ELEVATIONS (DF, R&B, RT, GR, ETC.)*

GL 5031'

19. ELEV. CASINGHEAD

5031'

20. TOTAL DEPTH, MD & TVD

7718'

21. PLUG, BACK T.D., MD & TVD

7630

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - 7718'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

7572' - 7612' Leadville

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CNL-FDC GR-Sonic, DIL-SP

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94	36	30	7 yds ready mix	none
10-3/4"	40.5	3098	14-3/4	1655 sx Lite wt.	none
7"	23 & 29	7087		400 sx Class 'B'	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	6692	7718	140		3-1/2	6730	6685

31. PERFORATION RECORD (Interval, size and number)

7572' - 7612'

3-1/8" gun

1 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7572-7612	7000 gal 28% HCL
7640-50	Sqz w/50 sx
7530-40	Sqz w/50 sx

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-17-80		Flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF. CO ₂	WATER—BBL.	GAS-OIL RATIO
1-1-81	24	none	→	0	4732	2880	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF. CO ₂	WATER—BBL.	OIL GRAVITY-API (CORR.)	
400	0	→	0	4732	2880		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

D. B. Bradford

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

D. B. Bradford

TITLE

Production Engineer

DATE

1-14-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

SM/1h

Orig + 3 - USGS, Durango, BLM, State - 2, J.R. Davis, E. R. Morin, J. E. Harrison, R. D. Johnson
Reg Group - Woodlands, Central file - H, W, C, Herman High

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF TUBULAR ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Desert Creek	5809	5823	CORES: Shaly xln Dolomite xln and hydridic Dolomite xln limestone and Dolomite	Hermosa	4740	4740
Desert Creek	5823	5842		Ismay	5623	5623
Desert Creek	5842	5869		Lower Ismay	5703	5703
and Chimney Rock				Desert Creek	5774	5774
				Chimney Rock	5862	5862

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

FEDERAL

7. UNIT AGREEMENT NAME

BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.

#14-33

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sect. 14, T39S, R25E

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a well. (See reverse side)
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

OIL WELL ☐ GAS WELL ☐ OTHER ☒ CO₂ Well

MAY 21 1984

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER G, CORTEZ, COLORADO 81321

DIVISION OF OIL
GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

2382' FEL, 2297' FSL, Sec. 14

14. PERMIT NO.

43-037-30590

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL: 5031'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

REPAIR WELL

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was completed in January, 1981, in the Leadville formation and tested 4.7 MMSCF/D CO₂ and 2.9 MBW/D. The well was subsequently shut-in and has remained shut-in to date. No facilities are present at this site. It is requested the subject well remain temporarily shut-in pending a feasibility study to market the CO₂.

18. I hereby certify that the foregoing is true and correct

SIGNED

P. Greg Merrion

TITLE

PETROLEUM ENGINEER

DATE

5/11/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 2, 1984

Superior Oil Company
P.O. Drawer "G"
Cortez, Colorado 81321

Gentlemen:

Re: Status of Wells on Attached List

In your letter of September 25, 1984 you indicated that the wells on the attached list were all temporarily abandoned, however, there is no information as to where the temporary plugs are set.

If there have been plugs set, it is necessary to submit this information on a "Sundry Notice" and file it with this office. If there haven't been any plugs set the well is not temporarily abandoned, it is shut in.

In oil and gas terminology, shut in is considered capable of producing gas or oil and the status of the well is SIGW or SIOW. Since these wells are capable of producing, they must be reported every month on the turn around document as shut in wells.

Thank you for your recent submittal to this office regarding these wells. If there are any further questions, please feel free to contact our office at any time.

Sincerely,

Claudia Jones
Well Records Specialist

clj

Attachment

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

00000007/17-18

Attachment I
Superior Oil Company
October 2, 1984

Well No. McElmo Creek Unit #V-08
Sec. 27, T. 40S., R. 25E.
San Juan County, Utah
API #43-037-15335
Shut In December 31, 1974.

Well No. McElmo Creek Unit #U-05
Sec. 28, T. 40S., R. 25E.
San Juan County, Utah
API #43-037-15333
No date when well was shut in

Well No. McElmo Creek Unit #U-07
Sec. 28, T. 40S., R. 25E.
San Juan County, Utah
API #43-037-15334
No date when well was shut in

Well No. McElmo Creek Unit #T-06
Sec. 28, T. 40S., R. 25E.
San Juan County, Utah
API #43-037-15332
No date when well was shut in

Well No. McElmo Creek Unit #S-07
Sec. 28, T. 40S., R. 25E.
San Juan County, Utah
API #43-037-15331
No date when well was shut in

Well No. McElmo Creek Unit #F-26
Sec. 24, T. 41s., R. 24E.
San Juan County, Utah
API #43-037-15949
No date when well was shut in

Well No. Black Steer Canyon #14-33
Sec. 14, T. 39S., R. 25E.
San Juan County, Utah
API #43-037-30590
Temporarily shut in January 14, 1981

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217

January 14, 1985

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Dianne Nielson, Director

RECEIVED

FEB 0

DIVISION OF OIL
GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

As a result of the merger which became effective on September 28, 1984, The Superior Oil Companies ("Superior") is now a wholly owned subsidiary of Mobil Corporation.

Effective January 1, 1985, Mobil Oil Corporation began acting on behalf of the Superior Oil Companies as service contractor for the purpose of performing comprehensive business management and related administrative services. To this end, Superior has entered into a Services Agreement with Mobil and has issued Powers of Attorney to certain Mobil employees, whereby Mobil has agreed to perform all of Superior's obligations and duties, and shall be entitled to enforce all of Superior's rights and privileges, including but not limited to all applicable Operating Agreements and leases (see attached). This shall include, without limitation, the making and receiving of payments, the giving and receiving of notices and other information, and the performance of all other related functions. Therefore, after December 31, 1984, notices to Superior or relative to its interests, assets or obligations should designate Mobil and be mailed to:

PERMITS ONLY

Mobil Oil Corporation
P.O. Box 5444
Denver, Colorado 80217-5444
Attention: R. D. Baker

(303) 298-2577

RON

Enclosed is a list of all Superior wells. This list includes the well names, locations, API numbers and producing zone (if applicable).

We appreciate your consideration and cooperation. If you have any questions, please direct them to the undersigned.

Very truly yours,

R. D. Baker

R. D. Baker
Environmental & Regulatory Manager - West

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER DRY HOLE

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY (Mobil as Agent)

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2382' FEL, 2297' FSL, SECTION 14

14. PERMIT NO.

43-037-30590

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GRADED GL: 5031'

7. UNIT AGREEMENT NAME

BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.

#14-33

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 14, T39S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Superior Oil Company* requests permission to plug and abandon the subject well as per the attached procedure and wellbore diagram.

* Mobil Oil Corporation, agent for Superior Oil Company

Intent
Only

18. I hereby certify that the foregoing is true and correct

SIGNED

Gregg A. Japp

TITLE

Engineer

DATE

11-20-85

Gregg A. Japp
(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

Federal approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE:

11/26/85
BY: *John R. Buse*

BLACK STEER CANYON #14-33
SAN JUAN COUNTY, UTAH

PLUG AND ABANDONMENT PROCEDURE

1. MIRU workover rig. Nipple down wellhead. Nipple up BOP's. POH w/ 3-1/2" tubing and packer.
2. RIH w/ 7" bit, scraper and 2-7/8" workstring to liner top. POH.
3. RIH w/ 7" cement retainer, stinger and 2-7/8" workstring, hydrotesting to 5000 psig. Set retainer @ 6682'. MIRU cementing unit. Pump 20 bbls cement slurry into retainer, displacing w/ fresh water. POH w/ tubing and stinger.
4. RIH w/ tubing (open ended) and hang tail at 6680'. Spot 39.5 bbls 9.5 ppg bentonite gel by displacing w/ 33.5 bbls fresh water. Pick up tubing and hang tail at 5585'.
5. MIRU wireline unit. RIH w/ through-tubing magnetically decentralized perforating gun and perforate 5671-73' w/ 4 JSPF @ 0 degree phasing. POH w/ gun.
6. Lower tubing tail to 5673'. Close casing valve and establish rate into squeeze perforations (spot 500 gals 28% HCl if necessary, displacing w/ fresh water).
7. Open casing valve and spot 10.5 bbls Class 'B' cement slurry by displacing w/ 31.5 bbls fresh water. Pick up tubing, hanging tail at 5400'. Reverse out excess. Close casing valve and displace w/ 6.5 bbls fresh water.
8. Lower tubing tail to 5540'. Open casing valve and spot 29.5 bbls 9.5 ppg bentonite gel mud by displacing w/ 28.5 bbls fresh water.
9. Pick up tubing tail to 4700'. RIH w through-tubing magnetically decentralized perforating gun and perforate 4788-90' w/ 4 JSPF @ 0 degree phasing. POH w/ gun.
10. Lower tubing tail to 4790'. Close casing valve and establish rate into squeeze perforations (spot 500 gals acid if necessary, displacing w/ fresh water).
11. Open casing valve and spot 10.5 bbls Class 'B' cement slurry by displacing w/ 26.5 bbls fresh water. Pick up tubing, hanging tail at 4500'. Reverse out excess. Close casing valve and displace w/ 6.5 bbls fresh water.
12. Lower tubing tail to 4660'. Open casing valve and spot 59.5 bbls 9.5 ppg bentonite gel mud by displacing w/ 19.5 bbls fresh water.
13. Pick up tubing tail to 3080'. RIH w/ through-tubing magnetically decentralized perforating gun and perforate 3146-48' w/ 4 JSPF @ 0 degree phasing. POH w/ gun. RDMO wireline unit.
14. Lower tubing tail to 3148'. Close casing valve and establish rate into squeeze perforations (spot 500 gals acid if necessary, displacing w/ fresh water).

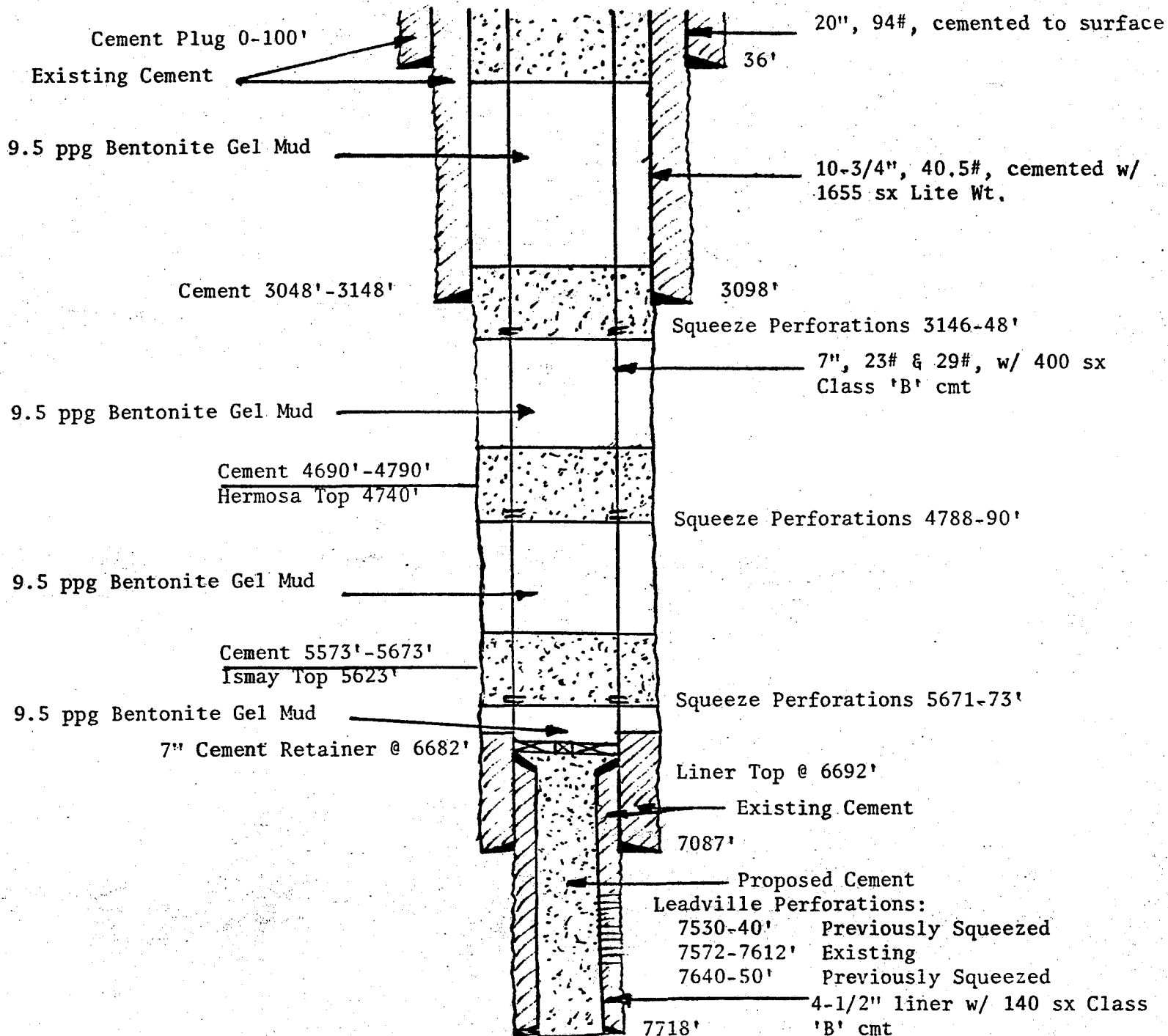
BLACK STEER CANYON #14-33

PLUG AND ABANDONMENT PROCEDURE

PAGE 2

15. Open casing valve and spot 10.5 bbls class 'B' cement slurry by displacing w/ 17.0 bbls fresh water. Pick up tubing tail to 2850'. Reverse out excess. Close casing valve and displace w/ 6.5 bbls fresh water.
16. Lower tubing tail to 3010'. Open casing valve and circulate 9.5 ppg bentonite gel mud to surface.
17. Pick up tubing tail to 120'. Circulate cement to surface and POH w/ tubing. Hook up to Braden head and pump 7 bbls cement slurry down 7" X 10-3/4" annulus. RDMO cementers, leaving 15 sx dry cement on location to install dry hole marker.
18. RDMO workover rig and clean up location.
19. Remove wellhead equipment and install dry hole marker.
20. Restore location to original contour and seed in accordance w/ BIA requirements.

Black Steer Canyon #14-33
Proposed Wellbore Configuration



Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:


On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
BLACK STEER CYN	12-11	SAN JUAN	UT	NW	NW	12-39S-25E	PROD	43-037-30678	U-12427-B		
	14-33	SAN JUAN	UT	NW	SE	14-39S-25E	PROD	43-037-30590	U-12427		
EAST ANETH	29-31	SAN JUAN	UT	NW	NE	29-41S-26E	PROD OP	43-037-30872	N00-C-14-20-5185		
	30-41	SAN JUAN	UT	NE	NE	30-41S-26E	PROD OP	43-037-30621	N00-C-14-20-3797		
GOTHIC MESA	6-23	SAN JUAN	UT	NE	SW	6-41S-23E	PROD SI	43-037-15039	14-20-603-239		94-004216
	6-34	SAN JUAN	UT	SW	SE	6-41S-23E	PROD OP	43-037-15034	14-20-603-239A		94-004216
	7-21	SAN JUAN	UT	NE	NW	7-41S-23E	PROD OP	43-037-15036	14-20-603-239A		94-004216
	7-41	SAN JUAN	UT	NE	NE	7-41S-23E	PROD OP	43-037-15032	14-20-603-239A		94-004216
	8-12	SAN JUAN	UT	SW	NW	8-41S-23E	PROD OP	43-037-15035	14-20-603-239		94-004216
	8-33	SAN JUAN	UT	NW	SE	8-41S-23E	PROD OP	43-037-15037	14-20-603-239		94-004216
	8-42	SAN JUAN	UT	SE	NE	8-41S-23E	PROD TA	43-037-15033	14-20-603-239		94-004216
	9-13	SAN JUAN	UT	NW	SW	9-41S-23E	PROD SI	43-037-15041	14-20-603-242		94-004216
	9-24	SAN JUAN	UT	SE	SW	9-41S-23E	INJ SI	43-037-16452	14-20-603-242		94-004216
	9-44	SAN JUAN	UT	SE	SE	9-41S-23E	INJ SI	43-037-16451	14-20-603-242		94-004216
	WSW 1	SAN JUAN	UT	SE	NW	9-41S-23E	WSW SI	-----			94-004216
	16-11	SAN JUAN	UT	NW	NW	16-41S-23E	PROD SI	43-037-15042	14-20-603-243		94-004216
	16-22	SAN JUAN	UT	SE	NW	16-41S-23E	PROD TA	43-037-15043	14-20-603-243		94-004216
	16-24	SAN JUAN	UT	SE	SW	16-41S-23E	INJ SI	43-037-16454	14-20-603-243		94-004216
	16-33	SAN JUAN	UT	NW	SE	16-41S-23E	PROD OP	43-037-15044	14-20-603-243		94-004216
	16-44	SAN JUAN	UT	SE	SE	16-41S-23E	INJ SI	43-037-16453	14-20-603-243		94-004216
	17-31	SAN JUAN	UT	NW	NE	17-41S-23E	PROD OP	43-037-15040	14-20-603-240		94-004216
HORSEHEAD POINT	18-44	SAN JUAN	UT	SE	SE	18-36S-25E	PROD SI	43-037-30909	U-40754		
MC ELKO CREEK	A17-1	SAN JUAN	UT	NE	NE	10-41S-24E	INJ OP	43-037-05592	14-20-0603-6148		96-004190
	A17-2	SAN JUAN	UT	NE	NE	10-41S-24E	INJ SI	43-037-05592	14-20-0603-6148		96-004190
	B-13	SAN JUAN	UT	NW	NW	2-41S-24E	INJ OP	43-037-05701	14-20-603-6509		96-004190
	B-14	SAN JUAN	UT	SW	NW	02-41S-24E	PROD OP	43-037-30383	14-20-603-6509		96-004190
	B-15	SAN JUAN	UT	NW	SW	02-41S-24E	INJ OP	43-037-05657	14-20-603-6508		96-004190
	B-17	SAN JUAN	UT	NW	NW	11-41S-24E	PROD OP	43-037-30138	14-20-603-6148		96-004190
	B-18	SAN JUAN	UT	SW	NW	11-41S-24E	PROD OP	43-037-15615	14-20-0603-6148		96-004190
	C-13	SAN JUAN	UT	NE	NW	2-41S-24E	PROD OP	43-037-30379	14-20-603-6509		96-004190

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

082829

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

FEDERAL

7. PERMIT AGREEMENT NAME

BLACK STEER CANYON

8. NAME OR LEASE NAME

9. WELL NO.

#14-33

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 14, T39S, R25E, SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐ DRY HOLE

2. NAME OF OPERATOR

MOBIL E & P NORTH AMERICA (MEPNA*)

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

2382' FEL, 2297' FSL, SECTION 14

14. PERMIT NO.

43-037-30590

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

GRADED GL: 5031'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☒
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

ALTERING CASING

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

NOTIFICATION OF PLUG AND ABANDONMENT

- 05-05-86 MIRU. Fished blanking plug @ 6750'.
05-06-86 Fished Blanking plug.
05-07-86 POH w/ 3-1/2" tbg. RIH w/ 2-7/8" workstring. Set 7" cmt retainer @ 6682'. SDFN.
05-08-86 Pumped 20 bbls Class 'B' cmt slurry through retainer. Fm. on vacuum. Pumped 20 bbls of slurry on top of retainer. Pulled out of retainer and left 1 bbl of cmt slurry on top of retainer. Perf'd Ismay Fm. from 5671-73' w/ 4 JSPF. Spotted 39.5 bbls 9.5 ppg bentonite gel by displacing w/ 33.5 BBLs FW. Spotted 500 gals 28% HCL through perfs @ 5671-73' but could not break Fm. down. SDFN.
05-09-86 Washed perfs @ 5671-73' w/ 2 bbls of 28% HCL @ 3000' and 2 BPM. Spotted 500 gals 28% HCL across perfs and broke Fm. down. Spotted 10.5 bbls Class 'B' cmt slurry by displacing w/ 31.5 bbls FW. Cmt plug from 5573-5673'. Spotted 29.5 bbls 9.5 ppg bentonite gel mud by displacing w/ 28.5 bbls FW. Perf'd Hermosa Fm. from 4788-90' w/ 4 JSPF. Spotted 500 gals 28% HCL across perfs @ 4788-90'. SDFW.
05-12-86 Broke down Hermosa Fm. Spotted 10.5 bbls Class 'B' cmt slurry by displacing w/ 26.5 bbls FW. Cmt plug from 4690-4790'. Spotted 59.5 bbls 9.5 ppg bentonite gel mud by displacing w/ 19.5 bbls FW. Perforated from 3146-48' w/ 4 JSPF. Set cmt retainer @ 3148'. Pumped 10.5 bbls cmt slurry through retainer by displacing w/ 17.0 bbls FW. Cmt plug from 3048-3148'. Circulated mud to surface. SDFN.

* Mobil Oil Corporation as agent for MEPNA

CONTINUED ON SEPARATE SHEET

18. I hereby certify that the foregoing is true and correct

SIGNED

Paul S. Heide
Paul S. Heide

TITLE Operations Engineer

DATE 08-21-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 8-26-86
BY: *John R. Dege*

NOTIFICATION OF PLUG AND ABANDONMENT

BSC 14-33

PAGE 2

- 05-13-86 Circulated Class 'B' cmt slurry to surface from 100'. Hooked up to Braden head and pumped 2 bbls of cmt slurry down 7" X 10-3/4" annulus. Cmt flowed back. Pumped 3 bbls cmt slurry mixed w/ Dowell 'RSC' Thixotropic additive. SDFN.
- 15-14-86 Opened annulus, well is still flowing but flow has diminished. SION.
- 05-15-86 Began drilling out surface cmt plug in 7" casing. SION.
- 05-16-86 Completed drilling out surface cmt plug in 7" csg. Circulated out bentonite gel to 1200'. Ran cmt bond log and found bottom of plug in annulus @ 525'. Perforated from 600-02' w/ 4 JSPF. SDFW.
- 05-19-86 Circulated 23 bbls 9.5 ppg bentonite mud from 1200-600'. Set retainer @ 603'. Squeezed 102 bbls of Class 'B' cmt w/ a thixotropic additive into annulus between 7" X 10-3/4" casing. Circulated 9.5 ppg bentonite gel to surface. Spotted Class 'B' cmt slurry from 120' to surface. SDFN.
- 05-20-86 No flow from Braden head. Cut off casing head. Set dry hole marker in place. P & A procedure complete. RDMO.